

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A terminal to be remotely controlled from a distant control terminal through a ~~communication-network~~, the distant control terminal remotely controlling the terminal through the ~~communication-network~~, comprising:

means for receiving a remote operation message from the distant control terminal through the ~~communication-network~~;

means for entering remote operation input information₁ extracted from the received remote operation message₁ into an operating system of said terminal; and

history recording means for recording the remote operation input information ~~and transition of display on a terminal display screen at the~~ terminal being remotely controlled by the distant control terminal in response to the remote operation input information as remote control history data.

2. (currently amended) A terminal to be remotely controlled from a distant control terminal through a ~~communication-network~~, the distant control terminal remotely controlling the terminal through the ~~communication-network~~, comprising:

communication control means for receiving remote operation input information from the distant control terminal through the ~~communication network~~;

remote operation basic control means for entering the received remote operation input information into an operating system of said terminal; and

history recording means for creating a remote control history file at the terminal being remotely controlled by the distant control terminal according to the remote operation input information and information supplied from the operating system of said terminal to an application program-and-a-display controller.

3. (currently amended)A terminal to be remotely controlled from a distant control terminal through a ~~communication-network~~, the distant control terminal remotely controlling the terminal through the ~~communication-network~~, comprising:

communication control means for receiving a remote operation message from the distant terminal through the ~~communication-network~~;

remote operation basic control means for entering remote operation input information, extracted from the received remote operation message, into an operating system of said terminal;

hooking means for capturing information supplied from the operating system of said terminal to an application program-and-a-display-controller; and

history recording means for creating event data at the terminal terminal being remotely controlled by the distant control terminal according to the remote operation input information and the information captured by the hooking means and for recording the created event data in a remote control history file.

4. (previously presented) The terminal according to claim 2, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

5. (previously presented) The terminal according to claim 3, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

6. (previously presented) The terminal according to claim 1, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

7. (previously presented) The terminal according to claim 2, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

8. (previously presented) The terminal according to claim 3, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

9. (previously presented) The terminal according to claim 1, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

10. (previously presented) The terminal according to claim 2, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

11. (previously presented) The terminal according to claim 3, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote

operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

12. (previously presented) The terminal according to claim 1, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.

13. (currently amended) A remote operation history recording method for use in a computer network system in which one of a plurality of terminals is used as a control terminal for conducting remote operation of another terminal to be a remote controlled terminal, the method comprising the steps of:

sending a remote operation message from said control terminal to said remote controlled terminal;

extracting remote operation input information from the remote operation message received by the remote controlled terminal, and executing a program operation at the remote controlled terminal according to the extracted remote operation input information upon input of the remote operation message into an operating system of said remote controlled terminal;

storing, as operation history data, event information generated according to the remote operation input information at the remote controlled terminal;

sending a message indicating the results of execution of the program operation from the remote controlled terminal to the control terminal; and storing, as operation history data, event information indicating the results of the program operation at the remote controlled terminal.

14. (previously presented) The remote operation history recording method according to claim 13, wherein the remote controlled terminal judges whether or not the remote operation input information extracted from the remote operation message received from the control terminal or a program operation executed in response to the remote operation input information satisfies a predetermined start condition, and if the predetermined start condition is satisfied, remote operation history recording is started at the remote controlled terminal to store event information based on the remote operation input information and event information indicating the results of execution of the program operation.

15. (currently amended) A terminal to be remotely controlled from a distant control terminal through a communication-network, the distant control terminal remotely controlling the terminal through the communication-network, comprising:

means for receiving a remote operation message from the distant control terminal through the communication-network;

means for entering remote operation input information extracted from the received remote operation message into an operating system of said terminal;

history recording means for recording in a memory the remote operation input information as remote control history data at the terminal being remotely controlled by the distant control terminal; and

means for displaying remote control history information on a display screen of the terminal based on the remote control history data recorded in the memory according to a request from a terminal user.

16. (previously presented) The terminal according to claim 15, wherein history recording means records in said memory, as a part of the remote control history data, transition of display which has occurred on said terminal display screen in response to processing the remote operation input information.

17. (currently amended) A terminal to be remotely controlled from a distant control terminal through a ~~communication-network~~, the distant control terminal remotely controlling the terminal through the ~~communication-network~~, comprising:

communication control means for receiving remote operation input information from the distant control terminal through the ~~communication network~~;

remote operation basic control means for entering the received remote operation input information into an operating system of said terminal;

history recording means for creating a remote control history file at the terminal being remotely controlled by the distant control terminal including the

remote operation input information and information supplied from the operating system to an application program and a display controller; and means for displaying remote control history information on a display screen of the terminal based on the contents of said remote control history file according to a request from a terminal user.

18. (currently amended) A terminal to be remotely controlled from a distant control terminal through a ~~communication~~-network, the distant control terminal remotely controlling the terminal through the ~~communication~~-network, comprising:

communication control means of receiving a remote operation message from the distant control terminal through the ~~communication~~ network;

remote operation basic control means for entering remote operation input information extracted from the received remote operation message into an operating system of said terminal;

hooking means for capturing information supplied from the operating system of said terminal to an application program and a display controller;

history recording means for creating event data including the remote operation input information and the information captured by the hooking means and for recording the created event data in a remote control history file at the terminal being remotely controlled by the distant control terminal; and

means for displaying remote control history information on a display screen of the terminal based on the contents of said remote control history file according to a request from a terminal user.

19. (previously presented) The terminal according to claim 17, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

20. (previously presented) The terminal according to claim 18, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

21. (previously presented) The terminal according to claim 15, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

22. (previously presented) The terminal according to claim 17, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in

response to the remote operation input information satisfies a predetermined start condition.

23. (previously presented) The terminal according to claim 18, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

24. (previously presented) The terminal according to claim 15, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

25. (previously presented) The terminal according to claim 17, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

26. (previously presented) The terminal according to claim 18, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

27. (previously presented) The terminal according to claim 15, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.

28. (new) A terminal to be remotely controlled by a distant control terminal through a network, said terminal comprising:

means for receiving a remote operation message from the distant control terminal through the network;

means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminal; and

history recording means for recording, as remote control history data, the remote operation information, which has been extracted from the received remote operation message by said means for extracting, at said terminal being remotely controlled by the distant control terminal in response to input of the remote operation message into the operating system of said terminal.

29. (new) A terminal to be remotely controlled by a distant control terminal through a network, said terminal comprising:

communication control means for receiving a remote operation message from the distant control terminal through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminal; and

history recording means for creating a remote control history file at said terminal being remotely controlled by the distant control terminal in response to the received remote operation message having been input to the operating system, said remote control history file including the extracted remote operation information and information supplied from the operating system to an application program.

30. (new) A terminal to be remotely controlled by a distant control terminal through a network, said terminal comprising:

communication control means for receiving a remote operation message from the distant terminal through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminal;

hooking means for capturing information supplied from the operating system to an application program; and

history recording means for creating event data at said terminal being remotely controlled by the distant control terminal in response to the received

remote operation message having been input to the operating system, said event data including the remote operation information and the information captured by the hooking means and for recording the created event data in a remote control history file.

31. (new) The terminal according to claim 29, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

32. (new) The terminal according to claim 30, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

33. (new) The terminal according to claim 28, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

34. (new) The terminal according to claim 29, wherein the history recording means includes means for automatically starting remote operation

history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

35. (new) The terminal according to claim 30, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

36. (new) The terminal according to claim 28, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

37. (new) The terminal according to claim 29, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

38. (new) The terminal according to claim 30, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information

from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

39. (new) The terminal according to claim 28, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.

40. (new) A remote operation history recording method for use in a computer network system in which one of a plurality of terminals is used as a control terminal for conducting remote control operation of another terminal which is used as a remote controlled terminal, the method comprising the steps of:

 sending a remote operation message from said control terminal to said remote controlled terminal;

 extracting remote operation information from the remote operation message received by the remote controlled terminal, and executing a program operation at the remote controlled terminal according to the remote operation message upon input of the remote operation message into an operating system of said remote controlled terminal;

 storing, as operation history data, the extracted remote operation information and event information generated according to the remote operation message at the remote controlled terminal;

 sending a message indicating the results of execution of the program operation from the remote controlled terminal to the control terminal; and

storing, as operation history data, event information indicating the results of the program operation at the remote controlled terminal.

41. (new) The remote operation history recording method according to claim 40, wherein the remote controlled terminal judges whether or not the remote operation input information extracted from the remote operation message received from the control terminal or a program operation executed in response to the remote operation input information satisfies a predetermined start condition, and if the predetermined start condition is satisfied, remote operation history recording is started at the remote controlled terminal to store event information based on the remote operation input information and event information indicating the results of execution of the program operation.

42. (new) A terminal to be remotely controlled by a distant control terminal through a network, said terminal comprising:

means for receiving a remote operation message from the distant control terminal through the network;

means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminal;

history recording means for recording in a memory the extracted remote operation information as remote control history data at the terminal being remotely controlled by the distant control terminal; and

means for displaying remote control history information on a display screen of the terminal being remotely controlled by the distant control terminal based on the remote control history data recorded in the memory according to a request from a terminal user.

43. (new) The terminal according to claim 42, wherein history recording means records in said memory, as a part of the remote control history data, transition of display which has occurred on said terminal display screen in response to processing the remote operation input information.

44. (new) A terminal to be remotely controlled by a distant control terminal through a network said terminal comprising:

communication control means for receiving a remote operation message from the distant control terminal through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminal;

history recording means for creating a remote control history file at the terminal being remotely controlled by the distant control terminal in response to the received remote operation message having been input to the operating system, said remote control history file including the remote operation information and information supplied from the operating system to an application program; and

means for displaying remote control history information on a display screen of the terminal based on the contents of said remote control history file according to a request from a terminal user.

45. (new) A terminal to be remotely controlled by a distant control terminal through a communication network said terminal comprising:

communication control means for receiving a remote operation message from the distant control terminal through the network;

remote operation basic control means for extracting remote operation information from the received remote operation message which is input into an operating system of said terminal;

hooking means for capturing information supplied from the operating system to an application program;

history recording means for creating event data including the extracted remote operation input information and the information captured by the hooking means in response to the received remote operation message having been input to the operating system and for recording the created event data in a remote control history file at the terminal being remotely controlled by the distant control terminal; and

means for displaying remote control history information on a display screen of the terminal being remotely controlled by the distant control terminal based on the contents of said remote control history file according to a request from a terminal user.

46. (new) The terminal according to claim 44, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

47. (new) The terminal according to claim 45, wherein said remote operation basic control means generates a message for reflecting the change in a terminal screen in response to the remote operation input information to said distant terminal, and sends the generated message to the network via said communication control means.

48. (new) The terminal according to claim 42, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

49. (new) The terminal according to claim 44, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

50. (new) The terminal according to claim 45, wherein the history recording means includes means for automatically starting remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined start condition.

51. (new) The terminal according to claim 42, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

52. (new) The terminal according to claim 44, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

53. (new) The terminal according to claim 45, wherein the history recording means includes means for automatically stopping remote operation history recording when it is judged that remote operation input information from the distant control terminal or a terminal operation in response to the remote operation input information satisfies a predetermined stop condition.

54. (new) The terminal according to claim 42, wherein remote operation history recording is stopped after a lapse of a predetermined time period from the start of remote operation history recording.